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Dart Aerospace Ltd. Monday, 02/06/2008 1:54:34 PM Julie Lecocq User **Process Sheet** : TUBE ASSEMBLY : CU-DAR001 Dart Helicopters Services **Drawing Name** Customer Job Number : 39646 : 11925 **Estimate Number** : D2003107 20 308.06.00 P.O. Number Part Number This Issue : 02/06/2008 S.O. No. : **Drawing Number** · UNDER REVIEW : N/A Prsht Rev. : NC **Project Number** : // : SMALL /MED FAB : B Type First Issue **Drawing Revision** : 29845 Material **Previous Run Due Date** : 03/06/2008 Qty: 5 Um: Written By Checked & Approved By Comment Est. · B 99.11.11 Re-format EC Additional Product Job Number: Description: Sea. #: **Machine Or Operation:** M6061T6T0375W035 6061-T6 Tube .375 x.035W 1.0 Comment: Qty.: 1.0718 f(s)/Unit Total: 5.3592 f(s) 304 TUBING Cut: 12.25" long as per Dwg D2003 Material:3/8"Æ x 0.035" wall 6061-T6 tubing FF 00-06-12 Batch: M 10492 2.0 M26506 Firesleeve-crkl .375IDia CONFIRM CUT LEWGTH W/ENG. Comment: Qty.: 1.1156 f(s)/Unit Total: 5.5781 f(s) OF TUBING Cut: 12.75" long as per Dwg D2003 Material: M2650-6 Heat sleeve FF 08-06-12 Batch: M 107 7 3.0 Sleeve Comment: Qty.: 2.0000 Each(s)/Unit Total: 10.0000 Each(s) Sleeve Pick:

Qtv Part Number

Description

2 MS20819-8d

Sleeve

FF 02-06-12

AN8186D

Comment: Qty.:



2.0000 Each(s)/Unit Total: 10.0000 Each(s)

Nut Pick:

Qty Part Number 2 AN818-6D

Description

08-06-12

W/O:		WORK ORDER CHANGES								
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NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
		Description of NC		Corrective Action Section B		Verification	Approval	Approval			
DATE STEP		Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC Inspector			
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Monday, 02/06/2008 1:54:34 PM Date: User: Julie Lecoca **Process Sheet Drawing Name: TUBE ASSEMBLY** Customer: CU-DAR001 Dart Helicopters Services Job Number: 39646 Part Number: D2003107 Job Number: Seq. #: **Description:** Machine Or Operation: D2182045 Heat Shrink 4.5" Long 5.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 5.0000 Each(s) Heat Shrink Pick: رکی **Qty Part Number** Description Batch 08-06-17 1 D2182-045 Heat shrink SMALL FAB 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 Form tube as per template D2003-107 Assemble as per Dwg D2003 08-06-18 QC5 INSPECT WORK TO CURRENT STEP 7.0 08 Comment: INSPECT WORK TO CURRENT STEP PACKAGING 1 PACKAGING RESOURCE #1 8.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: QC21 9.0 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

W/O:		جيدية ال						
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		Description of NC		Corrective Action Section B		Verification	Approval	Approval				
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ı	4	15		D2003 SHEET 1 OF 2
-	DATE			TITLE SCALE
_	99.0	6.08		206 CABIN HEATER TUBE ASSEMBLIES NTS
	Α		90.04.09	NEW ISSUE
	В		99.06.08	UPDATE PER TEMPLATES; ADD P/N'S; 0.025 TUBING NOW 0.035 (TSR1049)

RELEASE 1 44.06.03 KE

UNDER REVIEW

1308.06.02

				_	7						T	7
P/N	TEMPLATE	HEATSLEEVE LENGTH	CUT LENGTH OF TUBE ²	MS20819-8J SLEEVE	ANB18-8J NUT	MS20819-8D SLEEVE	AN818-8D NUT	MS20819-6D SLEEVE	AN818-6D NUT	DESC.	MATERIAL ^{4/8/7}	VENDOR OR SPEC
D2003-001	T2003-001	5.2	6.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-003	T2003-003	7.3	8.12					2	. 2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-005	T2003-005	9.8	10.62					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-007	T2003-007	20.0	19.63					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-009	T2003-009	12,38	12,44					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-011	T2003-011	33.31	32.38					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-013	T2003-013	12.7	13,54					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-015	T2003-015	17.2	18.00	" '				2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-017	T2003-017	17.0	16.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-019	T2003-019	9.8	10.62			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-021	T2003-021	N/A	2.25			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-023	T2003-023	4.5	5.33			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-025	T2003-025	9.8	10.60			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-027	T2003-027	7.25	7,38			2	2			TUBE ASS'Y	6061-T6 0,500 OD x 0,035 W	WW-T-700/6
D2003-029	T2003-029	17.2	18.00			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-031	T2003-031	14.6	15.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-033	T2003-033	29.75	29.62	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-035	T2003-035	24.7	27.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-037	T2003-037	24.81	23.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-039	T2003-039	34.0	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-041	T2003-041	6.0	5.88	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-043	T2003-043	11.7	10.75	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-045	T2003-045	3.50	2.44	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-047	T2003-047	5.56	5.56	2	2		- 5			TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-049	T2003-049	33.2	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-077	T2003-077	N/A	6.25					1	1	JET	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-101	T2003-101	13,25	13.13					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-101	T2003-103	12.38	12.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-105	T2003-105	10.75	10.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-103	T2003-103	12.75	12.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-107	T2003-107	8.25	8.125			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-103	T2003-103	4.75	4.625			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-111	T2003-111	4.0	7.020	100						HEATSLEEVE	M2650-20 CRINKLE-SOFT	STRATOFLEX
D2003-110	T2003-110	4.0			-			-		HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX
D2003-120	T2003-120	4.0								HEATSLEEVE	M2650-14 CRINKLE-SOFT	STRATOFLEX
D2003-14 D2003-16	T2003-14	4.0		-						HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX
D2003-16 D2003-205	T2003-16	9.75	9.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-203	T2003-203	3.75	3.75					2	2	TUBE ASS'Y		3H(V)VA/47\700/6
02003-201	12000-201	3.75	3.75							TOBE ASS T	3001-10 0.373 OD x 0.035 W	
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UNCONTROLLED COPY
SUBJECT TO AMENDMEN
WITHOUT NOTICE

WORK ORDER NO. 3 1646

W/O:		WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr Approval QC Inspector				
Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date:				

QA: N/C Closed: ____ Date: ___

NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B		Verification	Annroval	Annroval				
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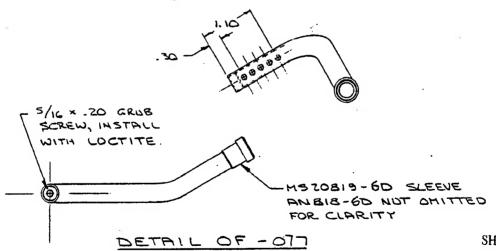
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Notes:

- (1) USE STRATOFLEX M2650-6 CRINKLE-SOFT HEATSLEEVE.
- (2) TUBING ASSEMBLIES TO BE CUT AND BENT IN ACCORDANCE WITH TEMPLATES.
- (3) TUBES TO BE FLARED 30° TO MATE WITH FITTINGS MADE TO MS33514.
- (4) ENSURE SEAMLESS TUBING IS USED.
- (5) INSTALL HEATSLEEVE OVER ALL TUBES WITH A DESIGNATED LENGTH OF HEATSLEEVE PER THE PARTS LIST.
- (6) 5052 (WW-T-700/4) TUBING MAY BE SUBSTITUTED WHEN 6061 TUBING IS NOT AVAILABLE.
- (7) 0,049 WALL THICKNESS CRES TUBING MAY BE SUBSTITUTED WHEN 0.035 IS NOT AVAILABLE.
- (8) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.



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WORK ORDER

W/O:										
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			QA: N/C Closed:	Date:	

	WORK ORDER NON-CONFORMANCE (NCR)									
DATE STEP	Description of NC		Corrective Action Section B			Approval	Approval			
STEP	Section A	Initial Chief Eng	Action Description Sign & Date		Section C	Chief Eng	QC Inspector			
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